Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 07 Dec 2023 until 23:59 on Friday 08 Dec 2023

Forecast Issued on Wednesday 06 Dec 2023 at 14:57

Confidence: Moderate

Headline for Thursday 07 Dec 2023: Strong winds and rain through much of the day. Turning slightly milder.

Mountain weather hazards on Thursday 07 Dec 2023

Blizzards
No Likelihood

Gales
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Medium Likelihood

Heavy persistent rain
High Likelihood

Storm force winds
No Likelihood

Poor visibility
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Sleet showers (night)	Light rain	Light rain	Light rain	Light rain	Heavy Rain	Heavy Rain	Drizzle
Precipitation probability							
60%	70%	80%	90%	90%	90%	90%	60%

Forecast for Thursday 07 Dec 2023

Weather: Strong winds and outbreaks of rain spreading to all areas into the early hours, wintry above around 600-700m to start but tending to turn to rain at all heights as the freezing level rises overnight. Patchy rain continuing on and off for much of the morning, always heaviest for southern facing slopes given the strong south-southeasterly winds. Rain becoming more persistent and heavy during the afternoon, before slowly clearing west into the evening to leave a somewhat drier end to the day with slightly lighter winds.

Chance of cloud-free hill tops above 600m: 10-20%, with the best chance of clearer spells to the lee of high ground.

Low cloud and visibility: Broken low cloud above around 300-400m for much of the day in association with the rain. Visibility generally moderate in rain, poor in early snow and locally very poor in cloud.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 07 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	26/37 SE	29/40 SE	30/41 SE	32/44 SE	33/45 SE	32/43 SE	29/41 SE	20/29 S	18/27 S
300	21/32 SE	25/37 SE	25/38 SE	27/41 SE	28/40 SE	27/40 SE	25/37 SE	18/28 S	15/24 S
Valley	11/26 SE	15/33 SE	16/35 SE	18/38 SE	18/39 SE	19/41 SE	17/37 SE	12/26 S	10/24 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-7	1/-7	2/-6	2/-5	3/-4	2/-5	2/-4	4/-2	5/-0
300	2/-4	3/-3	4/-2	4/-2	5/-1	5/-1	5/-1	5/1	6/2
Valley	3/-1	4/-1	4/-0	5/0	6/1	6/1	5/1	6/2	6/3
Freezing Level*	1000m	1500m	1900m	2100m	2200m	2000m	1600m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A poor weather day up on the hills, particularly when exposed to those strong south-easterly winds. Turning somewhat milder than recent times but some severe wind chill and poor visibility likely at height and appropriate equipment vital.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 05 Dec 2023	28.2mm	28.2mm	28.2mm

Forecast for Friday 08 Dec 2023

Weather: Thursday's rain clearing overnight to leave a generally drier, brighter start to Friday. Outbreaks of showery rain spreading east to all areas through the morning however, locally heavy at times, with strong southerly to south-westerly winds persisting.

Maximum wind: Southerly to south-westerly 20-25mph, gusting 30-35mph.

Chance of cloud-free hill tops above 600m: 60% to start, becoming 30% through the morning.

Low cloud and visibility: Patchy cloud above around 200-300m to start, this tending to lift somewhat but thicken into the day, becoming broken above 400-500m. Visibility generally good but moderate in showers and locally very poor in cloud.

Temperature: **Valleys:** 6 Celsius, becoming 8 Celsius.
At 600m: 3-4 Celsius.
Freezing level: 1400m becoming 1800m.

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